

**AMENDMENT**

**U.S. Patent Application Serial No. 09/488,971**

**IN THE CLAIMS:**

Please amend the claims as follows.

--1(Currently amended). A method for reordering content in a content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of hierarchically related individual content entities in a data repository, each content entity having an identifier and stored within said data repository as a file object, comprising the steps of:

creating said content object by enabling selection of content entities within said data repository for inclusion within said content object via a user interface, wherein at least one selected content entity includes pre-existing material, is pre-stored in said data repository and is selectable for inclusion within a plurality of different content objects,

defining the content object with a list of content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

redefining the order of the selected content entities and corresponding pre-existing material within the content object hierarchical structure in accordance with movement of such  
that moving a content entity identifier to a new location within the list redefines the order of the object's content entities,

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~~wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;~~

~~wherein for the content object, storing as a file object within the data repository, the list of content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.~~

2(Original). The method of claim 1, further comprising the step of receiving a user-specification of a content entity to move and target location for the specified content entity.

3(Currently amended). The method of claim 2, further comprising the step of ~~providing a user interface communicating with the data repository, and~~ providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

4(Currently amended). A method for reordering content in a hierarchically structured content object being one of a book, a collection of images, an album, a video and a multimedia

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object and stored as a plurality of hierarchically related individual content entities in a data repository, each content entity having an identifier and stored within said data repository as a file object, comprising the steps of:

creating said content object by enabling selection of content entities within said data repository for inclusion within said content object via a user interface, wherein at least one selected content entity includes pre-existing material, is pre-stored in said data repository and is selectable for inclusion within a plurality of different content objects,

defining the content object with an outline of containers and content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

redefining the order of the selected content entities and corresponding pre-existing material within the content object hierarchical structure in accordance with movement of such that moving a container or content entity identifier to a new location within the outline redefines the order of the object's content entities,

~~wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;~~

~~wherein for the content object, storing as a file object within the data repository, the outline of containers and content entity identifiers indicating the content entities within the~~

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~~content object, wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.~~

5(Original). The method of claim 4, further comprising the step of receiving a user-specification of a content entity to move and target location for the specified content entity.

6(Currently amended). The method of claim 5, further comprising the step of ~~providing a user interface communicating with the data repository, and~~ providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

7(Currently amended). The method of claim 4, wherein the content object comprises a book, the content entities comprise sections and the containers comprise at least one of chapters and books.

8(Currently amended). A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for reordering content in a content object being one of a book, a collection of images, an album, a

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video and a multimedia object and stored as a plurality of hierarchically related individual content entities in a data repository, each content entity having an identifier and stored within said data repository as a file object, said method comprising the steps of:

creating said content object by enabling selection of content entities within said data repository for inclusion within said content object via a user interface, wherein at least one selected content entity includes pre-existing material, is pre-stored in said data repository and is selectable for inclusion within a plurality of different content objects,

defining the content object with a list of content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

redefining the order of the selected content entities and corresponding pre-existing material within the content object hierarchical structure in accordance with movement of such that moving a content entity identifier to a new location within the list redefines the order of the object's content entities,

wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;

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~~wherein for the content object, storing as a file object within the data repository, the list of content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.~~

9(Currently amended). The program storage device method of claim 8, wherein said method further comprises ~~comprising the step of~~ receiving a user-specification of a content entity to move and target location for the specified content entity.

10(Currently amended). The program storage device method of claim 9, wherein said method further comprises ~~comprising the step of providing a user interface communicating with the data repository, and~~ providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

11(Currently amended). ~~A method~~ A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for reordering content in a hierarchically structured content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of

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hierarchically related individual content entities in a data repository, each content entity having an identifier and stored within said data repository as a file object, said method comprising the steps of:

creating said content object by enabling selection of content entities within said data repository for inclusion within said content object via a user interface, wherein at least one selected content entity includes pre-existing material, is pre-stored in said data repository and is selectable for inclusion within a plurality of different content objects,

defining the content object with an outline of containers and content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

redefining the order of the selected content entities and corresponding pre-existing material within the content object hierarchical structure in accordance with movement of such  
~~that moving a container or content entity identifier to a new location within the outline redefines the order of the object's content entities,~~

~~wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;~~

~~wherein for the content object, storing as a file object within the data repository, the outline of containers and content entity identifiers indicating the content entities within the~~

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~~content object, wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.~~

12(Currently amended). The program storage device method of claim 11, wherein said method further comprises ~~comprising the step of~~ receiving a user-specification of a content entity to move and target location for the specified content entity.

13(Currently amended). The program storage device method of claim 12, wherein said method further comprises ~~comprising the step of providing a user interface communicating with the data repository, and~~ providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

14(Currently amended). The program storage device method of claim 11, wherein the content object comprises a book, the content entities comprise sections and the containers comprise at least one of chapters and books.

15(Currently amended). A system for reordering content in a content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a



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plurality of hierarchically related individual content entities in a data repository, each content entity having an identifier and stored within said data repository as a file object, comprising:

means for creating said content object by enabling selection of content entities within said data repository for inclusion within said content object via a user interface, wherein at least one selected content entity includes pre-existing material, is pre-stored in said data repository and is selectable for inclusion within a plurality of different content objects,

means for defining the content object with a list of content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

means for redefining the order of the selected content entities and corresponding pre-existing material within the content object hierarchical structure in accordance with movement of such that moving a content entity identifier to a new location within the list redefines the order of the object's content entities,

~~wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;~~

~~wherein for the content object, storing as a file object within the data repository, the list of content entity identifiers indicating the content entities within the content object, wherein a~~

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~~hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.~~

16(Original). The system of claim 15, further comprising means for receiving a user-specification of a content entity to move and target location for the specified content entity.

17(Currently amended). The system of claim 16, further comprising ~~a user interface communicating with the data repository, and~~ a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

18(Currently amended). A system for reordering content in a hierarchically structured content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of hierarchically related individual content entities in a data repository, each content entity having an identifier and stored within said data repository as a file object, comprising:

means for creating said content object by enabling selection of content entities within said data repository for inclusion within said content object via a user interface, wherein at least

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one selected content entity includes pre-existing material, is pre-stored in said data repository and is selectable for inclusion within a plurality of different content objects,

means for defining the content object with an outline of containers and content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

means for redefining the order of the selected content entities and corresponding pre-existing material within the content object hierarchical structure in accordance with movement of  
~~such that moving a container or content entity identifier to a new location within the outline redefines the order of the object's content entities,~~

~~wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;~~

~~wherein for the content object, storing as a file object within the data repository, the outline of containers and content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification~~

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~~information identifying the content file object containing the content entity associated with that identifier.~~

19(Original). The system of claim 18, further comprising means for receiving a user-specification of a content entity to move and target location for the specified content entity.

20(Currently amended). The system of claim 19, further comprising ~~a user interface communicating with the data repository, and~~ a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

21(Currently amended). The system of claim 18, wherein the content object comprises a book, the content entities comprise sections and the containers comprise at least one of chapters and books.

22(Previously presented). The method of claim 1, further comprising calculating a cost for the content object according to costs of the content entities.

23(Previously presented). The method of claim 4, further comprising calculating a cost for the content object according to costs of the content entities.

24(Currently amended). The program storage device method of claim 8, wherein said method further comprises ~~comprising~~ calculating a cost for the content object according to costs of the content entities.

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25(Currently amended). The program storage device method of claim 11, wherein said method further comprises ~~comprising~~ calculating a cost for the content object according to costs of the content entities.

26(Previously presented). The system of claim 15, further comprising means for calculating a cost for the content object according to costs of the content entities.

27(Previously presented). The system of claim 18, further comprising means for calculating a cost for the content object according to costs of the content entities.

28(Currently amended). The method of claim 1, wherein the hierarchically related content entities further comprise a parent container type and a child container type, and wherein parent containers can contain child containers, and child containers can contain content entities and each content entity has an identifier with a format of parentcontainerref.childcontainerref.contententityref, where parentcontainerref is a reference to a parent container, childcontainerref is a reference to a child container and contententityref is a reference to a content entity, thereby indicating the hierarchical level of the entity.

29(Previously presented). The method of claim 28, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

30(Currently amended). The method of claim 4, wherein the hierarchically related content entities further comprise a parent container type and a child container type, and wherein

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parent containers can contain child containers, and child containers can contain content entities  
and each content entity has an identifier with a format of  
parentcontainerref.childcontainerref.contententityref, where parentcontainerref is a reference to a  
parent container, childcontainerref is a reference to a child container and contententityref is a  
reference to a content entity, thereby indicating the hierarchical level of the entity.

31(Previously presented). The method of claim 30, wherein the parent container type is a  
book, the child container type is a chapter, and the content entity is a section.

32(Currently amended). The program storage device method of claim 8, wherein the  
hierarchically related content entities further comprise a parent container type and a child  
container type, and wherein parent containers can contain child containers, and child containers  
can contain content entities and each content entity has an identifier with a format of  
parentcontainerref.childcontainerref.contententityref, where parentcontainerref is a reference to a  
parent container, childcontainerref is a reference to a child container and contententityref is a  
reference to a content entity, thereby indicating the hierarchical level of the entity.

33(Currently amended). The program storage device method of claim 32, wherein the  
parent container type is a book, the child container type is a chapter, and the content entity is a  
section.

34(Currently amended). The program storage device method of claim 11, wherein the  
hierarchically related content entities further comprise a parent container type and a child

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container type, and wherein parent containers can contain child containers, and child containers can contain content entities and each content entity has an identifier with a format of parentcontainerref.childcontainerref.contententityref, where parentcontainerref is a reference to a parent container, childcontainerref is a reference to a child container and contententityref is a reference to a content entity, thereby indicating the hierarchical level of the entity.

35(Currently amended). The program storage device method of claim 34, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

36(Currently amended). The system ~~to~~ of claim 15, wherein the hierarchically related content entities further comprise a parent container type and a child container type, and wherein parent containers can contain child containers, and child containers can contain content entities and each content entity has an identifier with a format of parentcontainerref.childcontainerref.contententityref, where parentcontainerref is a reference to a parent container, childcontainerref is a reference to a child container and contententityref is a reference to a content entity, thereby indicating the hierarchical level of the entity.

37(Previously presented). The system of claim 36, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

38(Currently amended). The system of claim 18, wherein the hierarchically related content entities further comprise a parent container type and a child container type, and wherein

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parent containers can contain child containers, and child containers can contain content entities and each content entity has an identifier with a format of parentcontainerref.childcontainerref.contententityref, where parentcontainerref is a reference to a parent container, childcontainerref is a reference to a child container and contententityref is a reference to a content entity, thereby indicating the hierarchical level of the entity.

39(Previously presented). The system of claim 38, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

40(Currently amended). A method for reordering content in a content object being one of a book, a collection of images, an album, a video and a multimedia object and stored as a plurality of hierarchically related individual content entities in a data repository, each content entity having an identifier and stored within said data repository as a file object, comprising:

creating said content object by enabling selection of content entities within said data repository for inclusion within said content object via a user interface, wherein at least one selected content entity includes pre-existing material, is pre-stored in said data repository and is selectable for inclusion within a plurality of different content objects;

defining the content object with a first list of content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier



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and corresponds to a user-defined content object hierarchical structure;

redefining the order of the selected content entities and corresponding pre-existing material within the content object hierarchical structure in accordance with movement of such  
~~that moving~~ a content entity identifier from the first list of content entity identifiers to a new location within the first list of content entity identifiers ~~redefines the order of the object's content entities;~~

wherein moving a content entity identifier in the first list to a new location comprises:

selecting the content entity identifier from the first list of content entity identifiers to be moved; and

specifying a location from a second list of content entity identifiers where the content entity identifier from the first list of content entity identifiers is to be moved;

wherein the specified location comprises at least one of a current content entity identifier or a newly created content entity identifier;

~~wherein for the content object, storing as a file object within the data repository, the first list of content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the first list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.~~

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41(Previously presented). A method for reordering content in a content object according to claim 40, wherein the specified location from the second list of content entity identifiers is selected via a drop down box.

42(Currently amended). A method for reordering content in a customized electronic book stored as a plurality of hierarchically related individual content entities in a computer database, each content entity having an identifier and stored within said computer database as a file object, comprising:

creating said customized book by enabling selection of content entities within said computer database for inclusion within said customized book via a user interface, wherein at least one selected content entity includes pre-existing material, is pre-stored in said computer database and is selectable for inclusion within a plurality of different customized books;

defining the customized book with a first outline of content entity identifiers each associated with a corresponding one of said selected content entities, wherein the content entity identifiers each include identification information identifying the file object containing the content entity associated with that identifier, and wherein a hierarchical arrangement of the content entity identifiers within the first outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined customized book hierarchical structure;

redefining the order of the selected content entities and corresponding pre-existing material within the customized book hierarchical structure in accordance with movement of such  
~~that moving~~ a content entity identifier from the first outline to a new location within the first

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~~out~~ outline of content entity identifiers ~~redefines the order of the content entities within the~~  
~~customized book;~~

wherein moving a content entity identifier from the first outline to a new location  
comprises:

selecting a content entity identifier from the first outline to be moved; and

specifying a location from a second outline of content entity identifiers where the  
content entity identifier of the first outline is to be moved;

wherein the specified location comprises at least one of a current content entity  
identifier or a newly created content entity identifier;

~~wherein for the content object, storing as a file object within the data repository, the first~~  
~~outline of content entity identifiers indicating the content entities within the content object,~~  
~~wherein a hierarchical arrangement of the content entity identifiers within the first outline~~  
~~includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-~~  
~~defined content object hierarchical structure, and~~

~~storing the content entities within the data repository as a plurality of file objects, each~~  
~~containing a content entity, wherein the content entity identifiers each include identification~~  
~~information identifying the content file object containing the content entity associated with that~~  
~~identifier.~~

43(Previously presented). A method for reordering content in a customized electronic  
book according to claim 42, wherein the specified location from the second outline of content  
entity identifiers is selected via a drop down box.--